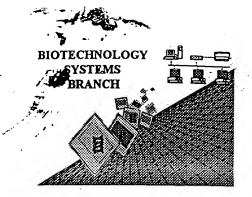
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/5/0,3/4

Art Unit / Team No.:

OPE

Date Processed by STIC:

3/10/2000

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/570, 3/4

		·
ATT	N: NEW RULES CASES:	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
4	Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line.
'	_ Wapped Nacion	This may occur if your file was retrieved in a word processor after creating it.
		·
		Please adjust your right margin to .3, as this will prevent "wrapping".
2	Wrapped Aminos	The amine acid number/text at the end of each line "uranned" down to the next line
	_ Wrapped Aminos	The amino acid number/text at the end of each line "wrapped" down to the next line.
		This may occur if your file was retrieved in a word processor after creating it.
		Please adjust your right margin to .3, as this will prevent "wrapping".
.3	Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.
.3	_ incorrect time tengin	The rules require that a line not exceed 72 characters in length. This includes spaces.
4	_ Misaligned Amino Acid	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs-
	Numbering	between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
	Hambering	between the numbering. It is recommended to delete any also and use spacing between the numbers.
5	Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
		Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 1		2 (mark more)
ا, ء	Variable Length	Sequence(s) contain n's or Xaa's which represented more than one residue.
0_0_	_ variable Leligui	
		As per the rules, each n or Xaa can only represent a single residue.
		Please present the maximum number of each residue having variable length and
		indicate in the (ix) feature section that some may be missing.
_		
7	Patentin ver. 2.0 "bug"	A "bug" in Patentln version 2.0 has caused the <220>-<223> section to be missing from amino acid
		sequence(s) Normally, Patentin would automatically generate this section from the
		previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
		to the subsequent amino acid sequence.
8	Skipped Sequences	Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
	(OLD RULES)	(2) INFORMATION FOR SEQ ID NO:X:
	(,	(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
		(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
		This sequence is intentionally skipped
		Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
		record also dejust the (iii) from DER of DEROETTOES. Toopening to interest the supplied sequence(s).
9	Skipped Sequences	Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
	(NEW RULES)	<210> sequence id number
	(11211110220)	·
		<400> sequence id number
		000
10	Use of n's or Xaa's	Use of n's and/or Xaa's have been detected in the Sequence Listing.
	(NEW RULES)	Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
	(NEW ROLES)	
		In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
11	Lico of <212>Organism	Convence(a)
—	Use of <213>Organism	Sequence(s) are missing this mandatory field or its response.
	(NEW RULES)	
12	Use of <220>Feature	Sequence(a) are missing the <220\Seature and associated headings
·		Sequence(s) are missing the <220>Feature and associated headings.
	(NEW RULES)	Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
	/	Please explain source of genetic material in <220> to <223> section.
		(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
13	Patentin ver. 2.0 "bug"	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted
		file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
	Je - 20	Instead, please use "File Manager" or any other means to copy file to floppy disk.

AKS-Biotechnology Systems Branch- 5/15/99



RAW SEQUENCE LISTING
PATENT APPLICATION US/09/510,31

PAGE:

DATE: 03/10/2000

TIME: 09:51:22

Input Set: I510314.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

PR.S.Y

```
<110> APPLICANT: Zhou, Ming-Ming
 1
           Aggarnal, Aneel K
 2
     <120> TITLE OF INVENTION: METHODS OF IDENTIFYING MODULATORS OF BROMODOMAINS
 3
 4
     <130> FILE REFERENCE: 2459-1-003
     <140> CURRENT APPLICATION NUMBER: US/09/510,314
 5
 6
     <141> CURRENT FILING DATE: 2000-02-22
                                                          Does Not Comply
 7
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                                                      Corrected Diskette Needed
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 8
 9
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16
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17
           geggeagegg cageggagee getagteece teceteetgg gggageaget geegeegetg 240
18
           ccgccgccgc caccaccatc agcgcgcggg gcccggccag agcgagccgg gcgagcggcg 300
19
          cgctaggggg agggcggggg cggggagggg ggtgggcgaa gggggggga gggcgtgggg 360
          ggagggtete geteteeega etaceagage eegagggaga eeetggegge ggeggeggeg 420
20
21
          cetgacacte ggegeeteet geegtgetee ggggeggeat gteegagget ggeggggeeg 480
22
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23
          agectgegge getteegeee gegeeeeege agggeteeee etgegeeget geegeegggg 600
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24
25
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26
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27
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31
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32
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34
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35
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36
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44
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RAW SEQUENCE LISTING PAGE: . 2 PATENT APPLICATION US/09/510,314/

DATE: 03/10/2000 TIME: 09:51:22

Input Set: I510314.RAW

```
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47
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           gaatgccaaa agaatacatc acacggctcg tetttgaccc gaaacacaaa accettgett 2100
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57
58
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           tcatggaacc tgtgaagaga acagaagctc caggatatta tgaagttata aggttcccca 2760
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62
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64
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                                                                               3014
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68
69
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72
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73
74
           Pro Pro Ala Pro Pro Gln Gly Ser Pro Cys Ala Ala Ala Ala Gly Gly
75
76
           Ser Gly Ala Cys Gly Pro Ala Thr Ala Val Ala Ala Gly Thr Ala
77
                                    55
78
           Glu Gly Pro Gly Gly Gly Ser Ala Arg Ile Ala Val Lys Lys Ala
79
                                                    75
80
           Gln Leu Arg Ser Ala Pro Arg Ala Lys Lys Leu Glu Lys Leu Gly Val
81
                                                90
                            85
82
           Tyr Ser Ala Cys Lys Ala Glu Glu Ser Cys Lys Cys Asn Gly Trp Lys
83
                       100
                                           105
                                                                110
          Asn Pro Asn Pro Ser Pro Thr Pro Pro Arg Ala Asp Leu Gln Gln Ile
84
85
                   115
                                       120
                                                            125
86
          Ile Val Ser Leu Thr Glu Ser Cys Arg Ser Cys Ser His Ala Leu Ala
87
                                   135
88
          Ala His Val Ser His Leu Glu Asn Val Ser Glu Glu Met Asn Arg
89
                               150
                                                   155
                                                                        160
90
          Leu Leu Gly Ile Val Leu Asp Val Glu Tyr Leu Phe Thr Cys Val His
91
                                               170
92
          Lys Glu Glu Asp Ala Asp Thr Lys Gln Val Tyr Phe Tyr Leu Phe Lys
93
                                           185
```

Leu Leu Arg Lys Ser Ile Leu Gln Arg Gly Lys Pro Val Val Glu Gly

94

RAW SEQUENCE LISTING PAGE: 3 PATENT APPLICATION US/09/510,3147 DATE: 03/10/2000 TIME: 09:51:22

Input Set: I510314.RAW

								000					205			
95		.	195		.	D	D	200		T	D	g.~~	205	<i>α</i> 1		~1
96	ser		GIU	гÀг	ьys	Pro		Pne	GIU	гур	PIO	220		GIU	GIII	Gly
97	**- 1	210	•	Db -	**- 7	a 1	215	T	Dha		772			212	T	C1
98			AŞI	Pne	vaı		Tyr	гув	Phe	ser		ьец	PIO	AIa	гåа	Glu
99	225		-1		7	230	•	-1-	T		235	T	3	7	-1 -	240
100	Arg	Gln	Thr	He		GIU	Leu	Ата	гла		Pne	ьeu	Asn			Asn
101	_			_	245		_	.	~1	250		• • • • •	3		255	3
102	Tyr	Trp	His		GIU	Ala	Pro	ser		Arg	Arg	ьeu	Arg		Pro	Asn
103	_	_		260		_	_	~1	265		cm1			270	a	
104	Asp	Asp		ser	GIY	Tyr	гля		Asn	ıyr	Thr	Arg		ьeu	Cys	Tyr
105	_	_	275	_	~-3	_,	_	280				•	285	~1	m1	m\
106	Cys		Val	Pro	GIn	Phe		Asp	ser	ьeu	Pro		ıyr	GIU	Thr	Thr
107		290			_		295	_	_	_		300	1			-
108			Phe	Gly	Arg		Leu	Leu	Arg	ser		Pne	Thr	vaı	met	Arg
109	305		_	_		310	_ •	_			315		_	_		320
110	Arg	Gln	Leu	Leu		GIn	Ala	Arg	GIn		Lys	Asp	ьуs	Leu		Leu
111		_	_		325		_	_,	'	330	_	_	-1	_	335	
112	Glu	Lys	Arg		Leu	Ile	Leu	Thr		Pne	Pro	Lys	Pne		ser	Met
113	_			340		_	_		345	_	_			350	~ 3 .	
114	Leu	Glu		Glu	Val	Tyr	Ser		Asn	ser	Pro	шe		Asp	GIn	Asp
115	_•	_	355		_	_	_	360	_		_	~ 7	365	~1 -		7
116	Phe	Leu	Ser	Ala	ser	Ser		Thr	ser	GIn	Leu		тте	GIn	Thr	vaı
117		370	_	_	_		375		_,		_	380		.		a
118		Asn	Pro	Pro	Pro		Ala	GIY	Thr	Пе		Tyr	Asn	ser	Thr	
119	385	_	_		~-3	390	_		~1	a	395	a	D	.1.	~	400
120	Ser	Ser	Leu	GIu		Pro	Asn	Ala	GIY		ser	ser	Pro	Ата		газ
121		_	_		405			_	_	410	~-7	_	.	-	415	 1
122	Ala	Ser	Ser	_	Leu	GIu	Ala	Asn		GIA	GIU	гÀг	Arg		met	Thr
123	_	_	•	420	_	~3	~3	- 1 -	425	-		•	**- 1	430	~1	
124	Asp	Ser		vaı	Leu	GIu	GIU		гÀг	гÀг	Pro	Arg		met	GIY	Asp
125		_	435		_		_	440	••- 7			m1	445	ml		D
126	11e	Pro	Met	GIU	Leu	Пе		GIU	vai	мет	ser		тте	Thr	Asp	Pro
127		450		_		_	455		•	-1	•	460		••• -	a	
128		Ala	Met	Leu	GIY		GIU	Thr	Asn	Pne		ser	Ата	HIS	ser	
129	465	_			- •	470		~1	~ 1		475	a1	7	-1-	a1	480
130	Arg	Asp				_										
131					485										495	
132	His	Val	Val	_	Asn	Ser	Leu	Asn		ràs	Pro	Asn	гЛя		TTE	Leu
133			.	500	~7	-	~1 -	•	505	Dl. a	a	***	~1 ·-	510	D	3
134	Met	Trp		vai	GIY	Leu	GIN		vai	Pne	ser	HIS		ьeu	Pro	Arg
135			515	~ 3	-			520	.	**- 1	Db -	3	525	7	772 -	T
136	Met	Pro	гÀг	GIU	Tyr	TTE		Arg	Leu	vaı	Pne		Pro	гуѕ	HIS	гув
137	em1	530		_		_	535	a 3	•	7	-1-	540	a1	- 1 -	~	D)
138		Leu	Ата	ьeu	тте		Asp	стλ	arg	val		GTÄ	GIY	тте	cys	
139	545	M- +	D1	D	a -	550	~1	nh -	m\	~ 1	555	17- ⁷	nh -	C	7 T -	560
140	arg	Met	rne	Pro		GIN	GTĀ	rne	rnr		тте	val	rne	Cys		val
141	mb	G	3	~1	565	77- 7	T	01	m	570	m\	TT-1	T 6	Mo+	575	ui -
142	Tnr	Ser	ASN		GIN	val	пλε	стХ		стХ	ınr	nış	neu		ASII	uis
143	7	T	a1	580	***	- 1 -	T	ui-	585	~ 1 ~	T	7	Dha	590	ሞኤ∽	The eas
144	ьeu	Lys	GIU	ryr	HIS	тте	гуя	nis	Asp	тте	ьeu	ASI	rne	ьeu	TILL	TAL

PAGE: 4

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/510,314/

DATE: 03/10/2000 TIME: 09:51:22

Input Set: I510314.RAW

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595
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                                                              605
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147
                                     615
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148
149
                                 630
                                                      635
            Glu Gly Ala Thr Leu Met Gly Cys Glu Leu Asn Pro Arg Ile Pro Tyr
150
                             645
                                                  650
151
152
            Thr Glu Phe Ser Val Ile Ile Lys Lys Gln Lys Glu Ile Ile Lys Lys
                                             665
153
154
            Leu Ile Glu Arg Lys Gln Ala Gln Ile Arg Lys Val Tyr Pro Gly Leu
                                         680
155
            Ser Cys Phe Lys Asp Gly Val Arg Gln Ile Pro Ile Glu Ser Ile Pro
156
                                     695
157
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158
159
                                 710
                                                      715
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160
                             725
                                                 730
161
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162
                        740
                                             745
163
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164
                                         760
165
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166
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167
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168
                                                      795
169
                                 790
            Glu Tyr Asn Ala Ala Glu Ser Glu Tyr Tyr Lys Cys Ala Asn Ile Leu
170
                                                 810
171
                             805
            Glu Lys Phe Phe Phe Ser Lys Ile Lys Glu Ala Gly Leu Ile Asp Lys
172
                                             825
173
                        820
174
      <210> SEQ ID NO 3
                                                  (see cuebed porter) gui soure
of item 12 on Eur ) of general
      <211> LENGTH: 12
175
176
      <212> TYPE: PRT
      <213> ORGANISM: Artificial Sequence
177
178
      <220> FEATURE:
      <223> OTHER INFORMATION: Description of Artificial Sequence: (peptide)
179
      <221> NAME/KEY: VARIANT varielle length hot permetted-se iden 6 on Ever
180
181
      <222> LOCATION: (2)
182
      <223 OTHER INFORMATION: It represents 2 to 3 undesignated amino acids.
183
184
            They can be any amino acids.
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185
      <221> NAME/KEY: VARIANT
186
187
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188
189
         They can be any amino acids.
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190
      <221> NAME/KEY: VARIANT
191
      <222> LOCATION: (6)
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193
194
           be any amino acid.
```

5 PAGE:

RAW SEQUENCE LISTING PATENT APPLICATION US/09/510,314 DATE: 03/10/2000 TIME: 09:51:22

Input Set: I510314.RAW

```
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        195
        196
              <221> NAME/KEY: VARIANT
              <222> LOCATION: (9)
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              <223>OTHER INFORMATION: It represents 5 undesignated amino acids. They can
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        199
                   be any amino acids.
        200
              <220> FEATURE:
              <221> NAME/KEY: VARIANT
        201
        202
              <222> LOCATION: (5)
              <223> OTHER INFORMATION: It can be any amino acid from the group of: P, K,
        203
        204
              <220> FEATURE:
        205
              <221> NAME/KEY: VARIANT
        206
        207
              <222> LOCATION: (8)
              <223> OTHER INFORMATION: It can be any amino acid from the group of: Y, F,
        208
        209
                    or H.
       210
              <220> FEATURE:
              <221> NAME/KEY: VARIANT
        211
        212
              <222> LOCATION: (11)
              <223> OTHER INFORMATION: It can be any amino acid from the group of: M, I,
        213
        214
                    or V.
        215
              <400> SEQUENCE: 3
                                                         /Pro Xaa Asp
                    Phe (Xaa) Pro (Xaa)
                                    Xaa Xaa Tyr Xaa (Xaa
        216
        217
              <210> SEQ ID NO 4
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        219
              <211> LENGTH: 12
              <212> TYPE: PRT
        220
       221
              <213> ORGANISM: Artificial Sequence
       222
              <220> FEATURE:
              <223> OTHER INFORMATION: Description of Artificial Sequence: (peptide
       223
       224
             <220> FEATURE:
       225
              <221> NAME/KEY: SITE
        226
              <222> LOCATION: (6)
              <223> OTHER INFORMATION: It is acetyl-lysine.
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              <400> SEQUENCE: 4
       228
       229
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       230
                      1
              <210> SEQ ID NO 5
       231
       232
              <211> LENGTH: 14
              <212> TYPE: PRT
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       234
             <213> ORGANISM: Artificial Sequence
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             <220> FEATURE:
             <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
       236
       237
              <220> FEATURE:
             <221> NAME/KEY: SITE
       238
       239
             <222> LOCATION: (8)
       240
              <223> OTHER INFORMATION: It is acetyl-lysine.
              <400> SEQUENCE: 5
       241
                   Ala Arg Lys Ser Thr Gly Gly Xaa Ala Pro Arg Lys Gln Leu
       242
       243
                      1
              <210> SEQ ID NO 6
Please Note:
```

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

PAGE:

VERIFICATION SUMMARY PATENT APPLICATION US/09/510,314

DATE: 03/10/2000 TIME: 09:51:22

Input Set: I510314.RAW

Line	?	? Error/Warning						Original Text										
216	W	"N"	or	"Xaa"	used:	Feature	required	Phe	Xaa	Pro	Xaa	Xaa	Xaa	Tyr	Xaa	Xaa	Pro	x
229	W	"N"	or	"Xaa"	used:	Feature	required	Ile	Ser	Tyr	Gly	Arg	Xaa	Lys	Arg	Arg	Gln	A
242	W	"N"	or	"Xaa"	used:	Feature	required	Ala	Arg	Lys	Ser	Thr	Gly	Gly	Xaa	Ala	Pro	A
255	W	"N"	or	"Xaa"	used:	Feature	required	Gln	Ser	Thr	Ser	Arg	His	Lys	Xaa	Leu	Met	P
1009	W	"N"	or	"Xaa"	used:	Feature	required	Xaa	Phe	Xaa	Pro	Xaa	Xaa	Xaa	Tyr	Xaa	Xaa	P